

WHAT IS CLAIMED IS:

- 1        1.        A joystick, comprising:
  - 2                an operating member, which has shaft portions
  - 3        respectively protruded from both side faces thereof;
  - 4                an upper rotary member, which supports the operating
  - 5        member so as to be pivotable in a first direction;
  - 6                a lower rotary member, which supports the operating
  - 7        member so as to be pivotable in a second direction perpendicular
  - 8        to the first direction; and
  - 9                an urging member, which urges the lower rotary member
  - 10        and the upper rotary member so that the operating member is
  - 11        situated at a neutral position thereof,
  - 12                wherein the lower rotary member has an elongated hole
  - 13        through which the operating member is passed, and the elongated
  - 14        hole extended in the first direction;
  - 15                wherein the shaft portions are rotatably engaged in shaft
  - 16        holes which are formed in side walls of the elongated hole;
  - 17                wherein expansion parts are formed on the operating
  - 18        member so as to expand within the elongated hole in the first
  - 19        direction; and
  - 20                wherein the operating member rotates through the shaft
  - 21        portions so that both side faces of each expansion part slide
  - 22        along both inner wall faces of the elongated hole.

1        2.        The joystick as set forth in claim 1, wherein the expansion  
2 parts are extended until a range corresponding to a length of  
3 the elongated hole in the first direction.

1        3.        The joystick as set forth in claim 1, wherein the expansion  
2 parts have flat portions at shaft portion sides respectively;  
3                wherein the flat portions are continuous and flush with  
4 the side faces having the shaft portions of the operating member  
5 respectively;

6                wherein the flat portions and the side faces of the  
7 operating member form flat parts at the shaft portion sides  
8 respectively; and

9                wherein the shaft portions are respectively provided  
10 on substantially center parts of the flat parts.

1        4.        The joystick as set forth in claim 1, wherein outer end  
2 faces of the expansion parts are respectively formed in a curved  
3 shape.